EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	970	348/373.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 15:19
L2	677	348/345.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:04
L3	571	348/340.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:28
L4	6205	(substrate or circuit adj board) with (lens or (lens adj (support or mount or barrel))) with (plate or washer or separat$4 or adapter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:05
L5	2483	L4 and (@rlad<"19990903" or @ad<"19990903")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:05
L6	64	L5 and (electronic or digital) near2 camera	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:05
L7	2	09/732925	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:28
L8	894	348/335.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/02 13:32
L9	919	348/294.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/02 13:32

L10	886	438/121.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:32
L11	420	348/374.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/02 13:32
L12	42	((solid near4 state near4 (imag$4 near4 (device or apparatus or pick$4-up or captur$4 or sens$4 or detect$4))) or imager or ccd or sensor) and @ad<"19990903" and metal$4 near1 (plate or spacer or washer or reinforc$5 or strenght$4) with (strong$4 or strenght or reinforc$4 or protect$4) with (board or substrate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:35
L13	529	lens near4 barrel with (washer or plate) and substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:39
L14	295	348/371.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:39
L15	339	348/370.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:40
L16	573	348/340.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 16:24
L17	988	257/730.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:44

L18	741	257/684.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:44
L19	1112	257/719.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:44
L20	300	257/708.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:44
L21	179	257/709.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:44
L22	199	257/711.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:44
L23	2045	257/700.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:45
L24	789	438/121.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:45
L25	295	359/809.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:45
L26	177	600/159.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:45
L27	113	solid near3 state near3 device with lens with barrel	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/02 14:45

EAST Search History

L28	161	lens near3 barrel with mov$3 and barrel with substrate and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT	OR	ON	2008/02/02 14:49
L29	82	flip$4chip near4 sensor and image	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/02 14:50
L30	107	flip$4chip near4 sensor and image	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 14:51
L31	381	((kazuhiro with hoshino) or (hirofumi with sumi) or (kazuya with yonemoto)).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 14:54
L32	7	("4418284" | "4523102" | "5138145" | "5867368" | "6172361" | "6266197" | "6342406").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/02 14:56
L33	250	camera and ((lens near3 (mount or tructure or barrel)) or lens) with (washer or plate) with (substrate) and (@rlad<"19990903" or @ad<"19990903")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 14:59
L34	250	camera and ((lens near3 (mount or tructure or barrel)) or lens) with (washer or plate) with (substrate) and (@rlad<"19990903" or @ad<"19990903")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 14:59
L35	250	L34 and (@rlad<"19990903" or @ad<"19990903")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 14:59
L36	11106	1 2 3 8 9 10 11 14 15 16 17 18 19 20 21 22 23 24 25 26	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 15:20

L37	663	36 and barrel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 15:29
L38	1192	36 and (board or substrate) with plate	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 15:29
L39	78	36 and (board or substrate) with plate with (imager or ccd or sensor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 15:29
L41	0	((sens$3 or photo$1detect$4 or ccd or imager or ((imag$3 or light) near2 (receiv$3 or device or apparatus or system or captur$4 or tak$3 or pick$1up))) same barrel same (lens or optic$3) same (plate or washer or separator or spacer) same (hole or trhough$1hole) same (hold$3 or mount$4) same (substrate or board or pcb or fpcb or chip) same filter).clm.	US-PGPUB; USPAT	OR	ON	2008/02/02 15:40
L42	0	((sens$3 or photo$1detect$4 or ccd or imager or ((imag$3 or light) with (receiv$3 or device or apparatus or system or captur$4 or tak$3 or pick$1up))) same barrel same (lens or optic$3) same (plate or washer or separator or spacer) same (hole or trhough$1hole) same (hold$3 or mount$4) same (substrate or board or pcb or fpcb or chip) same filter).clm.	US-PGPUB; USPAT	OR	ON	2008/02/02 15:40
L43	3	((sens$3 or photo$1detect$4 or ccd or imager or ((imag$3 or light) with (receiv$3 or device or apparatus or system or captur$4 or tak$3 or pick$1up))) and barrel same (lens or optic$3) and (plate or washer or separator or spacer) and (hole or trhough$1hole) and (hold$3 or mount$4) and (substrate or board or pcb or fpcb or chip) and filter).clm.	US-PGPUB; USPAT	OR	ON	2008/02/02 16:09
L44	848	tuan with ho.xp.	US-PGPUB; USPAT	OR	ON	2008/02/02 16:23

L45	965	348/373.ccls.	US-PGPUB; USPAT	OR	ON	2008/02/02 16:23
L46	847	348/335.ccls.	US-PGPUB; USPAT	OR	ON	2008/02/02 16:23
L47	534	348/65.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 16:25
L48	420	359/809.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 16:25
L49	264	359/808.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 16:25
S1	8	"6392703"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/18 15:12
S2	6	"6392703".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/18 16:06
S3	852	348/373.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:04
S4	552	348/345.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:04
S5	440	348/340.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:04

EAST Search History

S6	35	("20020008920"|"20020027721"|"40 37938"|"5157550"|"5570229"|"5973 858"|"6104432"|"6124984"|"612498 7"|"6185048"|"6308011"|"6331917" |"6339508"|"6349002"|"6414791"). PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/18 16:15
S7	10	("6339508").URPN.	USPAT	OR	OFF	2006/09/18 16:16
S8	13	("20030161620" | "20040105020" | "3649101" | "4810072" | "5570229" | "5668668" | "6016228" | "6088169" | "6124987" | "6185048" | "6308011" | "6339508" | "6754446").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 11:05
S9	2	("6392703").URPN.	USPAT	OR	OFF	2006/09/19 11:06
S10	12	("4317029" | "4369459" | "4809680" | "4997698" | "5130804" | "5301042" | "5302778" | "5337475" | "5400072" | "5543837" | "5825560" | "5984188").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 11:06
S11	31	("5302778").URPN.	USPAT	OR	OFF	2006/09/19 11:07
S12	8	("4074306" | "4516157" | "4745470" | "4831456" | "4832003" | "4918521" | "4992875" | "5040069").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:03
S13	17	("4594613" | "4745470" | "4757805").PN. OR ("5040069"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:07
S14	5	("4870496" | "5040069" | "5220198" | "5861654" | "6122009").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:10
S15	30	("4893163" | "4940888" | "5011256" | "5065226" | "5122861" | "5130531" | "5132532" | "5408131" | "5525840" | "5536974").PN. OR ("5861654").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:11
S16	17	("4594613" | "4745470" | "4757805").PN. OR ("5040069"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:15
S17	9	("3757127" | "4113354" | "4594613" | "4682219" | "4692608" | "4745470" | "4773396" | "5021888" | "5040069").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:16
S18	14	("4317029" | "4369459" | "4809680" | "4997698" | "5130804" | "5301042" | "5302778" | "5337475" | "5400072" | "5543837" | "5825560" | "5984188").PN. OR ("6392703").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:18

S19	15	("4594613" | "5040069" | "5072283" | "5087964" | "5596229" | "5861654" | "5870638" | "5952714" | "6035147" | "6204896" | "6362921" | "6392703" | "6528778" | "6628339" | "6693674").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:18
S20	27	("4760440" | "4873566" | "4879588" | "4891686" | "4953001" | "4985753" | "4990719").PN. OR ("5087964").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:23
S21	39	("3593070" | "4326214" | "4406054" | "4482781").PN. OR ("4760440"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:46
S22	67	lens near4 barrel with washer	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:47
S23	107	lens near4 barrel with washer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/19 14:47
S24	0	lens near4 barrel with washer with substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/19 14:48
S25	0	lens near4 barrel with washer same substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 12:48
S26	14	lens near4 barrel with washer and substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 12:48
S27	434	lens near4 barrel with (washer or plate) and substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:35

EAST Search History

S28	236	S27 and (@rlad<"19990903" or @ad<"19990903")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/19 15:13
S29	8	camera and (lens near3 (mount or tructure or barrel)) with (washer or plate) with substrate and (@rlad<"19990903" or @ad<"19990903")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/19 14:55
S30	89	camera and (lens near3 (mount or tructure or barrel)) with (washer or plate) with (substrate or board) and (@rlad<"19990903" or @ad<"19990903")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/19 14:58
S31	539	camera and ((lens near3 (mount or tructure or barrel)) or lens) with (washer or plate) with (substrate or board) and (@rlad<"19990903" or @ad<"19990903")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/19 15:07
S32	249	camera and ((lens near3 (mount or tructure or barrel)) or lens) with (washer or plate) with (substrate) and (@rlad<"19990903" or @ad<"19990903")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/19 15:08
S33	814	438/121.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:32
S34	249	S32 and (@rlad<"19990903" or @ad<"19990903")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 12:49
S35	369	S33 and (@rlad<"19990903" or @ad<"19990903")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/19 15:12

EAST Search History

S36	5184	(substrate or circuit adj board) with (lens or (lens adj (support or mount or barrel))) with (plate or washer or separat$4 or adapter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/19 15:13
S37	2469	S36 and (@rlad<"19990903" or @ad<"19990903")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/19 15:14
S38	441	S37 and camera	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/19 15:16
S39	462	S37 and camera	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/19 15:14
S40	63	S37 and (electronic or digital) near2 camera	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:05
S41	751	S37 and (ccd or sensor or imager)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/19 15:17
S42	17	("4074306" | "4516157" | "4745470" | "4831456" | "4832003" | "4918521" | "4992875" | "5040069").PN. OR ("5130804"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 15:19
S43	7	("4636627" | "5091793" | "5130804" | "5444485" | "5517364" | "5825560").PN. OR ("6392688"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 16:05
S44	18	("5418566"|"5561458"|"5617131"|"5777335"|"5847887"|"6011860"|"6122009"|"6172351"|"6172361"|"6187522"|"6369435"|"6512219"|"6571466"|"6603107"|"6724503"|"6727564"|"6745061"|"6768516").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 16:05

S45	4	("4594613" | "5040069" | "5418566" | "5847887").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 17:19
S46	734	348/294.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/02 13:32
S47	444	348/340.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/22 17:40
S48	758	348/335.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/02 13:32
S49	342	348/374.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/02 13:32
S50	879	348/373.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 18:11
S51	24	((kazuhiro with hoshino) or (hirofuni with sumi) or (kazuya with kanagawa)).in.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 18:12
S52	138	((kazuhiro with hoshino) or (hirofuni with sumi) or (kazuya with kanagawa)).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/19 18:12

S53	551	(US-20030016284-$ or US-20040080642-$ or US-20040056971-$ or US-20070070511-$ or US-20070070228-$ or US-20070069395-$ or US-20070069105-$ or US-20070065128-$ or US-20070057150-$ or US-20070057148-$ or US-20070054419-$ or US-20070053685-$ or US-20070047952-$ or US-20070047109-$ or US-20070045551-$ or US-20070045550-$ or US-20070040932-$ or US-20070035785-$ or US-20070034782-$ or US-20070029466-$ or US-20070025715-$ or US-20070019950-$ or US-20070019102-$ or US-20070019101-$ or US-20060268157-$ or US-20060266835-$).did. or (US-20060257131-$ or US-20060252246-$ or US-20060244859-$ or US-20060243884-$ or US-20060239671-$ or US-20060140609-$ or US-20060231750-$ or US-20060228103-$ or US-20060228099-$ or US-20060227236-$ or US-20060221469-$ or US-20060219862-$ or US-20060209365-$ or US-20060209205-$ or US-20060204243-$ or US-20060203875-$ or US-20060203095-$ or US-20060202318-$ or US-20060197862-$ or US-20060189216-$ or US-20060189183-$ or US-20060187337-$ or US-20060181633-$ or US-20060171701-$ or US-20060171698-$ or US-20060170814-$ or US-20060164539-$).did. or (US-20060163461-$ or US-20060152826-$ or US-20060152614-$ or US-20060152576-$ or US-20060141226-$ or US-20060140459-$ or	US-PGPUB; USPAT	OR	OFF	2007/05/19 13:15

EAST Search History

S54	37	("4266090" | "4404582" | "4412093" | "4427991" | "4442456" | "4457017").PN. OR ("4594613"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/19 13:16
S55	14	("4134129" | "4385325" | "4594613" | "4734778" | "4803557" | "4830985" | "5032898" | "5047835" | "5097274" | "5140150" | "5291010").PN. OR ("5731834"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/19 13:19
S56	4	("4862208" | "5502598" | "6249653" | "6341902").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/19 13:21
S57	12	("4594613" | "5302778" | "5359190" | "5673083" | "5821532" | "5828409" | "5861654").PN. OR ("6693674").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/19 13:22
S58	4	("4594613" | "5040069" | "5418566" | "5847887").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/19 13:24
S59	2	"6109464"	JPO; DERWENT	OR	OFF	2007/05/19 13:25
S60	0	6-109464	JPO; DERWENT	OR	OFF	2007/05/19 13:25
S61	0	06-109464	JPO; DERWENT	OR	OFF	2007/05/19 13:25
S62	1	"06109464"	JPO; DERWENT	OR	OFF	2007/05/19 13:26
S63	2	"06275855"	JPO; DERWENT	OR	OFF	2007/05/19 13:26
S64	0	11-76156	JPO; DERWENT	OR	OFF	2007/05/19 13:26
S65	6	"1176156"	JPO; DERWENT	OR	OFF	2007/05/19 13:26
S66	0	"11-076156"	JPO; DERWENT	OR	OFF	2007/05/19 13:26
S67	0	11-076156	JPO; DERWENT	OR	OFF	2007/05/19 13:27
S68	2	"11076156"	JPO; DERWENT	OR	OFF	2007/05/19 13:27
S69	17	("4785338" | "4896217" | "5077784" | "5087964" | "5122861" | "5150180" | "5523608" | "5763943" | "5783815" | "5940126").PN. OR ("6795120").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/19 13:32

S70	70	S53 and @ad<"19990903"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/19 13:39
S71	300923	((solid near4 state near4 (imag$4 near4 (device or apparatus or pick$4-up or captur$4 or sens$4 or detect$4))) or imager or ccd or sensor) and @ad<"19990903"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/02 12:49
S72	7560	S71 and plate near4 metal	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/19 13:42
S73	470	S72 and lens and substrate	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/19 13:43
S74	216	S72 and lens and substrate with plate	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/19 13:43
S75	81	("4321747" | "4479298" | "4776088" | "4924297" | "5109269" | "5298742" | "5406454" | "5418691" | "5468996" | "5530291" | "5532519").PN. OR ("5821532"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/19 13:50
S76	72	(tomita with yoshihiro).in.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/19 13:51
S77	487	(tomita with yoshihiro).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/19 13:59
S78	2	"4594613".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/19 13:59
S79	10095	((solid near4 state near4 (imag$4 near4 (device or apparatus or pick$4-up or captur$4 or sens$4 or detect$4))) or imager or ccd or sensor) and @ad<"19990903" and metal$4 near4 (plate or spacer or washer or reinforc$5 or strenght$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/19 14:32

EAST Search History

S80	1203	((solid near4 state near4 (imag$4 near4 (device or apparatus or pick$4-up or captur$4 or sens$4 or detect$4))) or imager or ccd) and @ad<"19990903" and metal$4 near4 (plate or spacer or washer or reinforc$5 or strenght$4)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/19 14:05
S81	186	((solid near4 state near4 (imag$4 near4 (device or apparatus or pick$4-up or captur$4 or sens$4 or detect$4))) or imager or ccd) and @ad<"19990903" and metal$4 near4 (plate or spacer or washer or reinforc$5 or strenght$4) with (cb or board or substrate)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/19 14:15
S82	1	"5130804".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/19 14:16
S83	20	((solid near4 state near4 (imag$4 near4 (device or apparatus or pick$4-up or captur$4 or sens$4 or detect$4))) or imager or ccd or sensor) and @ad<"19990903" and metal$4 near1 (plate or spacer or washer or reinforc$5 or strenght$4) with (strong$4 or strenght or reinforc$4 or protect$4) with (board or sunstrate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:33
S84	4	((solid near4 state near4 (imag$4 near4 (device or apparatus or pick$4-up or captur$4 or sens$4 or detect$4))) or imager or ccd or sensor) and @ad<"19990903" and metal$4 near1 (plate or spacer or washer or reinforc$5 or strenght$4) with (lens$3 or optic$4) with (board or sunstrate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/19 15:31
S85	52	@ad<"19990903" and metal$4 near1 (plate or spacer or washer or reinforc$5 or strenght$4) with (lens$3 or optic$4) with (board or sunstrate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/19 14:53
S86	1	@ad<"19990903" and metal$4 near4 (plate or spacer or washer or reinforc$5 or strenght$4) with (lens$3 or optic$4) with (board or sunstrate) with (sensor or ccd or imager)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/19 14:54

S87	23	@ad<"19990903" and metal$4 near4 (plate or spacer or washer or reinforc$5 or strenght$4) and plate with (lens$3 or optic$4) with (board or sunstrate) with (sensor or ccd or imager)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/19 14:55
S88	80	@ad<"19990903" and metal$4 near4 (plate or spacer or washer or reinforc$5 or strenght$4) and plate with (lens$3 or optic$4) with (board or sunstrate) and (sensor or ccd or imager)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/19 14:59
S89	63	@ad<"19990903" and lens with (spacer or washer or plate) with metal$4 with substrate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/19 15:06
S90	23	@rlad<"19990903" and lens with (spacer or washer or plate) with metal$4 with substrate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/19 15:19
S91	102	@ad<"19990903" and lens with (spacer or washer or plate) with substrate with (sensor or ccd or imager or (solid near4 state near4 device))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/19 15:16
S92	10	("5233382").URPN.	USPAT	OR	OFF	2007/05/19 15:17
S93	2058	@rlad<"19990903" and plate near4 metal$4 with metal$4 with substrate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/19 15:20
S94	70	@rlad<"19990903" and plate near4 metal$4 with metal$4 with substrate with (strong$4 or reinforc$4 or strength$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/19 15:20

S95	143	@rlad<"19990903" and plate near4 metal$4 with metal$4 with substrate with (strong$4 or reinforc$4 or strength$4 or rigid$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/19 15:23
S96	42	S95 and imag$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/19 15:24
S97	13	((solid near4 state near4 (imag$4 near4 (device or apparatus or pick$4-up or captur$4 or sens$4 or detect$4))) or imager or ccd or sensor) and metal$4 near1 (plate or spacer or washer or reinforc$5 or strenght$4) with (lens$3 or optic$4) with (board or sunstrate) with lens	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/21 12:08
S98	6752	(((wir$3 or circuit) near2 board) or substrate) with (plate or washer or spacer) with (sensor or imager or ccd or (solid near2 state near3 device))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/21 12:09
S99	2464	(((wir$3 or circuit) near2 board) or substrate) with (plate or washer or spacer) with (sensor or imager or ccd or (solid near2 state near3 device)) and imag$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/21 12:11
S10 0	996	S99 and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/21 12:13
S10 1	130	(((wir$3 or circuit) near2 board) or substrate) with (plate or washer or spacer) near4 (metal$4 or alumin$4 or stainless or iron or copper or gold) with (sensor or imager or ccd or (solid near2 state near3 device)) and imag$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/21 12:12

EAST Search History

S10 2	46	S101 and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON		2007/05/21 16:12
S10 3	24	lens near3 (holder or mount$4) with (metal or alumin$4 or copper or gold or stainless) near4 (washer or plate or spacer or separat$4) with (substrate or board)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON		2007/05/21 12:32
S10 4	20	lens near3 (holder or mount$4) with (washer or plate or spacer or separat$4) with (substrate or board) with (reinforc$4 or strength$4 or rigid or crack or fisure or protect$4 or hard$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON		2007/05/21 12:38
S10 5	2	11/376249	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON		2007/05/21 12:40
S10 6	29	("20010030276"|"20010050717"|"46 34884"|"5021888"|"5424531"|"5748 448"|"5786589"|"6043482"|"616096 7"|"6417885"|"6483101"|"6528778" |"6654064"|"6727564").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON		2007/05/21 12:40
S10 7	6	("20010055073" | "4634884" | "5172304" | "6433414" | "6444487" | "6476417").PN.	US-PGPUB; USPAT; USOCR	OR	OFF		2007/05/21 12:40
S10 8	22	("4457017" | "4581657" | "4594613" | "5153734" | "5559556" | "5739853" | "5748448" | "5753908" | "5825560" | "5828409" | "5835142" | "5894368" | "5998786" | "6072126" | "6285400").PN. OR ("6654064").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF		2007/05/21 14:40
S10 9	68	flip$4chip near4 sensor and image	US-PGPUB; USPAT; USOCR	OR	OFF		2008/02/02 14:50

EAST Search History

S11 0	20	("20010035576" | "20010050721" | "20020110949" | "5113290" | "5400072" | "5821532" | "5861654" | "5865935" | "5912774" | "5990552" | "5998878" | "6037641" | "6075237" | "6133569" | "6144031" | "6147389" | "6303978" | "6389687" | "6518656" | "6571466").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/21 14:46
S11 1	11	("20010012098" | "4560273" | "5153734" | "5609561" | "5673083" | "5699073" | "6025873" | "6072232" | "6084238" | "6203222" | "6326602").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/21 14:46
S11 2	4	("4926227" | "5122561" | "5359208" | "5867368").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/21 14:54
S11 3	75	("4663652" | "4760440" | "5118370" | "5200631" | "5331512" | "5357056" | "5478007" | "5495450" | "5753857" | "5786589").PN. OR ("5867368").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/21 14:58
S11 4	67	("4888634" | "4902108" | "5051802" | "5148306" | "5149958" | "5302818" | "5693967" | "5814870" | "5821615" | "5861654" | "5867368" | "5869855" | "5998862").PN. OR ("6130448"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/21 15:04
S11 5	33	("5786589").URPN.	USPAT	OR	OFF	2007/05/21 15:16
S11 6	28	("5357056").URPN.	USPAT	OR	OFF	2007/05/21 15:36
S11 7	0	10/660649	USPAT	OR	OFF	2007/05/21 15:36
S11 8	6	("20020057468"|"6507443"|"6759642").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/21 15:37
S11 9	14	("20010030276" | "20010050717" | "20020044213" | "5021888" | "5424531" | "5748448" | "5786589" | "6043482" | "6160967" | "6417885" | "6483101" | "6528778" | "6654064" | "6727564").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/21 15:44

S12 0	4	"06001970"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/21 15:44
S12 1	0	06-001970	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/21 15:45
S12 2	0	6-001970	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/21 15:45
S12 3	28	6-1970	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/21 15:45
S12 4	159	(KAWABE with KAZUNARI TANAKA with KAZUTOSHI ANDO with SHOICHI).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/21 15:46
S12 5	20	("20010035576" | "20010050721" | "20020110949" | "5113290" | "5400072" | "5821532" | "5861654" | "5865935" | "5912774" | "5990552" | "5998878" | "6037641" | "6075237" | "6133569" | "6144031" | "6147389" | "6303978" | "6389687" | "6518656" | "6571466").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/21 16:02
S12 6	1	("5113290").URPN.	USPAT	OR	OFF	2007/05/21 16:03
S12 7	12	("3246563" | "3558220" | "3740114" | "4055761" | "4116529" | "4215916" | "4640579" | "4718750" | "4818067" | "4923281").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/21 16:06

S12 8	98	solid near3 state near3 device with lens with barrel	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/02 14:41
S12 9	249	((solid near4 state. near4 device) or ccd or imager or sensor) same lens with barrel same substrate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/21 16:13
S13 0	64	S129 and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/21 16:14
S13 1	841	((solid near4 state near4 device) or ccd or imager or sensor) same lens with barrel with focus$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/21 16:16
S13 2	288	S131 and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/21 16:16
S13 3	696	((solid near4 state near4 device) or ccd or imager or sensor) same lens with barrel with mov$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/21 16:25
S13 4	221	S133 and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/21 16:18
S13 5	5	("5444485" | "5627589" | "5673083" | "5731834" | "5765060").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/21 16:24

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S13 6	235	((solid near4 state near4 device) or ccd or imager or sensor) and lens with barrel with mov$3 and barrel with (board or substrate) and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/21 16:34
S13 7	163	S136 not tsikos.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/21 16:27
S13 8	163	S136 not tsikos.in. not "knowles.in"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/21 16:27
S13 9	150	S136 not tsikos.in. not knowles.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/21 17:06
S14 0	945	((solid near4 state near4 device) or ccd or imager or sensor) and lens with barrel with mov$3 and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/21 16:45
S14 1	30	("4518864" | "4554585" | "4691244").PN. OR ("4896217"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/21 16:35

EAST Search History

S14 2	98	("20030137595" | "3018689" | "3880528" | "4055761" | "4210922" | "4293190" | "4390220" | "4433886" | "4491865" | "4582350" | "4744009" | "4801998" | "4843313" | "4896217" | "4936784" | "4971930" | "4980635" | "4999142" | "5001315" | "5023442" | "5037187" | "5068713" | "5122861" | "5191481" | "5220198" | "5274456" | "5365101" | "5383034" | "5400072" | "5412229" | "5424531" | "5434682" | "5436492" | "5444520" | "5463229" | "5489995" | "5523608" | "5570204" | "5579164" | "5581094" | "5590787" | "5604362" | "5615052" | "5617131" | "5655189" | "5672902" | "5692083" | "5764424" | "5783815" | "5801374" | "5804827" | "5811799" | "5818634" | "5821532" | "5825033" | "5825560" | "5825954" | "5861654" | "5867368" | "5902993" | "5932875" | "5949655" | "5998878" | "6011294" | "6011661" | "6020582" | "6037655" | "6060722" | "6072232" | "6122009" | "6130448" | "6134057" | "6147389" | "6153927" | "6184514" | "6188841" | "6236046" | "6243540" | "6266197" | "6270222" | "6384397" | "6384472" | "6389687" | "6392703" | "6392827" | "6455774" | "6483030" | "6483101" | "6498624" | "6518656" | "6526653" | "6627864" | "6627872" | "6686588" | "6762796" | "6767753" | "6867438").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/21 16:36
S14 3	21	("5400072").URPN.	USPAT	OR	OFF	2007/05/21 16:39
S14 4	15	("20030137595" | "3620149" | "4055761" | "5302778" | "5359190" | "5371397" | "5400072" | "5400073" | "5587832" | "5600486" | "5821532" | "6122009" | "6130448" | "6266197").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/21 16:40
S14 5	5	("2918584" | "3215850" | "3880528").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/21 16:41
S14 6	36	("4055761").URPN.	USPAT	OR	OFF	2007/05/21 16:42

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	970	348/373.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 15:19
L2	677	348/345.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:04
L3	571	348/340.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:28
L4	6205	(substrate or circuit adj board) with (lens or (lens adj (support or mount or barrel))) with (plate or washer or separat$4 or adapter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:05
L5	2483	L4 and (@rlad<"19990903" or @ad<"19990903")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:05
L6	64	L5 and (electronic or digital) near2 camera	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:05
L7	2	09/732925	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:28
L8	894	348/335.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/02 13:32
L9	919	348/294.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/02 13:32

L10	886	438/121.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:32
L11	420	348/374.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/02 13:32
L12	42	((solid near4 state near4 (imag$4 near4 (device or apparatus or pick$4-up or captur$4 or sens$4 or detect$4))) or imager or ccd or sensor) and @ad<"19990903" and metal$4 near1 (plate or spacer or washer or reinforc$5 or strenght$4) with (strong$4 or strenght or reinforc$4 or protect$4) with (board or substrate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:35
L13	529	lens near4 barrel with (washer or plate) and substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:39
L14	295	348/371.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:39
L15	339	348/370.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:40
L16	573	348/340.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 16:24
L17	988	257/730.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:44

EAST Search History

L18	741	257/684.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:44
L19	1112	257/719.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:44
L20	300	257/708.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:44
L21	179	257/709.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:44
L22	199	257/711.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:44
L23	2045	257/700.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:45
L24	789	438/121.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:45
L25	295	359/809.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:45
L26	177	600/159.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:45
L27	113	solid near3 state near3 device with lens with barrel	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/02 14:45

EAST Search History

L28	161	lens near3 barrel with mov$3 and barrel with substrate and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT	OR	ON	2008/02/02 14:49
L29	82	flip$4chip near4 sensor and image	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/02 14:50
L30	107	flip$4chip near4 sensor and image	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 14:51
L31	381	((kazuhiro with hoshino) or (hirofumi with sumi) or (kazuya with yonemoto)).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 14:54
L32	7	("4418284" | "4523102" | "5138145" | "5867368" | "6172361" | "6266197" | "6342406").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/02 14:56
L33	250	camera and ((lens near3 (mount or tructure or barrel)) or lens) with (washer or plate) with (substrate) and (@rlad<"19990903" or @ad<"19990903")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 14:59
L34	250	camera and ((lens near3 (mount or tructure or barrel)) or lens) with (washer or plate) with (substrate) and (@rlad<"19990903" or @ad<"19990903")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 14:59
L35	250	L34 and (@rlad<"19990903" or @ad<"19990903")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 14:59
L36	11106	1 2 3 8 9 10 11 14 15 16 17 18 19 20 21 22 23 24 25 26	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 15:20

EAST Search History

L37	663	36 and barrel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 15:29
L38	1192	36 and (board or substrate) with plate	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 15:29
L39	78	36 and (board or substrate) with plate with (imager or ccd or sensor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 15:29
L41	0	((sens$3 or photo$1detect$4 or ccd or imager or ((imag$3 or light) near2 (receiv$3 or device or apparatus or system or captur$4 or tak$3 or pick$1up))) same barrel same (lens or optic$3) same (plate or washer or separator or spacer) same (hole or trhough$1hole) same (hold$3 or mount$4) same (substrate or board or pcb or fpcb or chip) same filter).clm.	US-PGPUB; USPAT	OR	ON	2008/02/02 15:40
L42	0	((sens$3 or photo$1detect$4 or ccd or imager or ((imag$3 or light) with (receiv$3 or device or apparatus or system or captur$4 or tak$3 or pick$1up))) same barrel same (lens or optic$3) same (plate or washer or separator or spacer) same (hole or trhough$1hole) same (hold$3 or mount$4) same (substrate or board or pcb or fpcb or chip) same filter).clm.	US-PGPUB; USPAT	OR	ON	2008/02/02 15:40
L43	3	((sens$3 or photo$1detect$4 or ccd or imager or ((imag$3 or light) with (receiv$3 or device or apparatus or system or captur$4 or tak$3 or pick$1up))) and barrel same (lens or optic$3) and (plate or washer or separator or spacer) and (hole or trhough$1hole) and (hold$3 or mount$4) and (substrate or board or pcb or fpcb or chip) and filter).clm.	US-PGPUB; USPAT	OR	ON	2008/02/02 16:09
L44	848	tuan with ho.xp.	US-PGPUB; USPAT	OR	ON	2008/02/02 16:23

EAST Search History

L45	965	348/373.ccls.	US-PGPUB; USPAT	OR	ON	2008/02/02 16:23
L46	847	348/335.ccls.	US-PGPUB; USPAT	OR	ON	2008/02/02 16:23
L47	534	348/65.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 16:25
L48	420	359/809.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 16:25
L49	264	359/808.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 16:25
S1	8	"6392703"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/18 15:12
S2	6	"6392703".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/18 16:06
S3	852	348/373.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:04
S4	552	348/345.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:04
S5	440	348/340.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:04

S6	35	("20020008920"|"20020027721"|"4037938"|"5157550"|"5570229"|"5973858"|"6104432"|"6124984"|"6124987"|"6185048"|"6308011"|"6331917"|"6339508"|"6349002"|"6414791").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/18 16:15
S7	10	("6339508").URPN.	USPAT	OR	OFF	2006/09/18 16:16
S8	13	("20030161620" | "20040105020" | "3649101" | "4810072" | "5570229" | "5668668" | "6016228" | "6088169" | "6124987" | "6185048" | "6308011" | "6339508" | "6754446").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 11:05
S9	2	("6392703").URPN.	USPAT	OR	OFF	2006/09/19 11:06
S10	12	("4317029" | "4369459" | "4809680" | "4997698" | "5130804" | "5301042" | "5302778" | "5337475" | "5400072" | "5543837" | "5825560" | "5984188").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 11:06
S11	31	("5302778").URPN.	USPAT	OR	OFF	2006/09/19 11:07
S12	8	("4074306" | "4516157" | "4745470" | "4831456" | "4832003" | "4918521" | "4992875" | "5040069").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:03
S13	17	("4594613" | "4745470" | "4757805").PN. OR ("5040069").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:07
S14	5	("4870496" | "5040069" | "5220198" | "5861654" | "6122009").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:10
S15	30	("4893163" | "4940888" | "5011256" | "5065226" | "5122861" | "5130531" | "5132532" | "5408131" | "5525840" | "5536974").PN. OR ("5861654").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:11
S16	17	("4594613" | "4745470" | "4757805").PN. OR ("5040069").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:15
S17	9	("3757127" | "4113354" | "4594613" | "4682219" | "4692608" | "4745470" | "4773396" | "5021888" | "5040069").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:16
S18	14	("4317029" | "4369459" | "4809680" | "4997698" | "5130804" | "5301042" | "5302778" | "5337475" | "5400072" | "5543837" | "5825560" | "5984188").PN. OR ("6392703").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:18

S19	15	("4594613" | "5040069" | "5072283" | "5087964" | "5596229" | "5861654" | "5870638" | "5952714" | "6035147" | "6204896" | "6362921" | "6392703" | "6528778" | "6628339" | "6693674").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:18
S20	27	("4760440" | "4873566" | "4879588" | "4891686" | "4953001" | "4985753" | "4990719").PN. OR ("5087964").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:23
S21	39	("3593070" | "4326214" | "4406054" | "4482781").PN. OR ("4760440"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:46
S22	67	lens near4 barrel with washer	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:47
S23	107	lens near4 barrel with washer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/19 14:47
S24	0	lens near4 barrel with washer with substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/19 14:48
S25	0	lens near4 barrel with washer same substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 12:48
S26	14	lens near4 barrel with washer and substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 12:48
S27	434	lens near4 barrel with (washer or plate) and substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:35